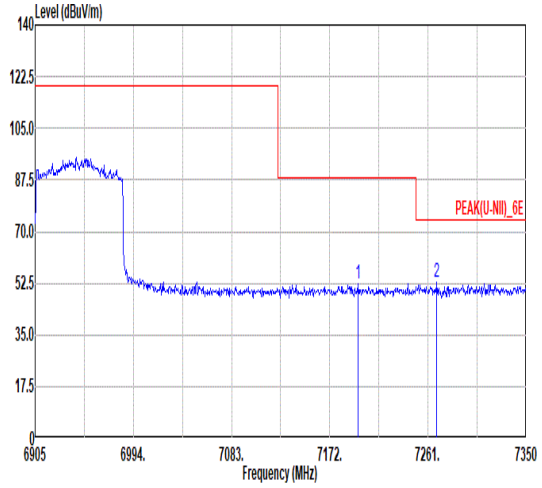
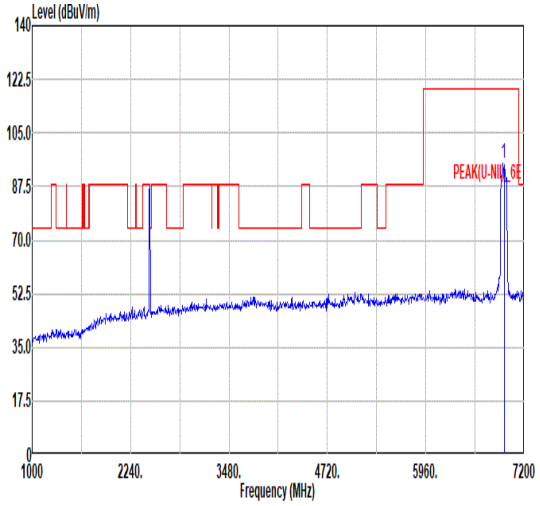
Mode	71	
	Band Edge - L	
	CO_TX	
ANT	1	
Pol.	Horizontal	Fundamental

Peak

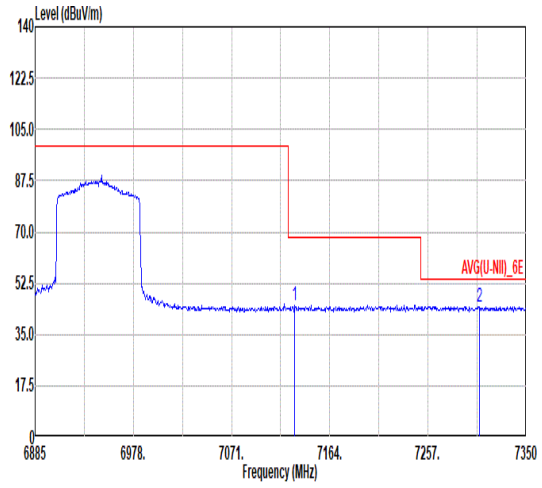


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	7197.81	52.30	88.20	-35.90	38.91	35.60	11.36	33.57	100	193	Peak
2	7269.01	52.84	74.00	-21.16	39.43	35.60	11.41	33.60	100	193	Peak

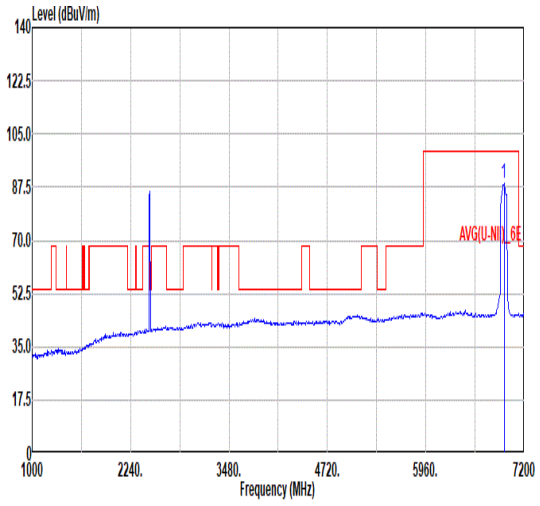


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	6945.00	95.33	119.20	-23.87	81.27	36.15	11.27	33.36	100	193	Peak

Avg



	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	7130.99	45.01	68.20	-23.19	31.61	35.60	11.34	33.54	100	193	Average
2	7305.36	44.55	54.00	-9.45	31.11	35.60	11.44	33.60	100	193	Average

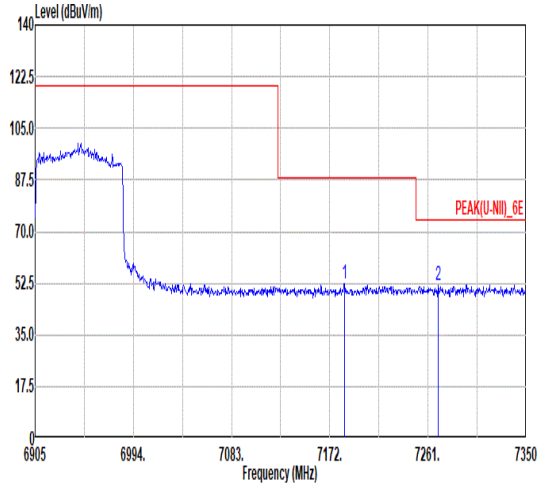


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	6945.00	88.94	99.20	-10.26	74.88	36.15	11.27	33.36	100	193	Average

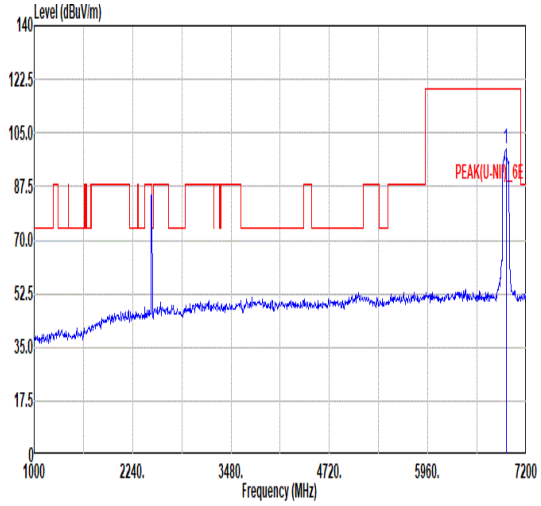
Note: the highest signals over limit is BLE co-location fundamental signals

Mode	71	
	Band Edge - L	
	CO_TX	
ANT	1	
Pol.	Vertical	Fundamental

Peak

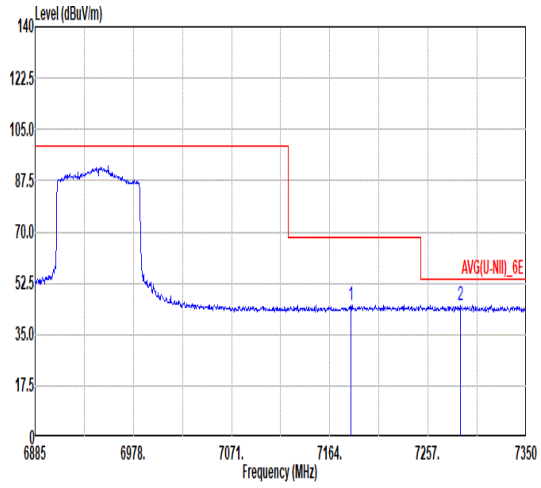


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	7185.35	52.32	88.20	-35.88	38.95	35.60	11.35	33.58	100	89	Peak
2	7269.90	51.91	74.00	-22.09	38.50	35.60	11.41	33.60	100	89	Peak

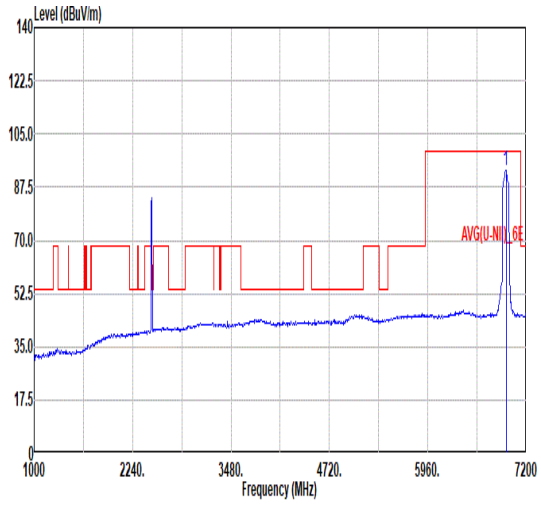


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	6945.00	100.09	119.20	-19.11	86.03	36.15	11.27	33.36	100	89	Peak

Avg



	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	7184.00	44.93	68.20	-23.27	31.56	35.60	11.35	33.58	100	89	Average
2	7287.69	44.99	54.00	-9.01	31.56	35.60	11.43	33.60	100	89	Average

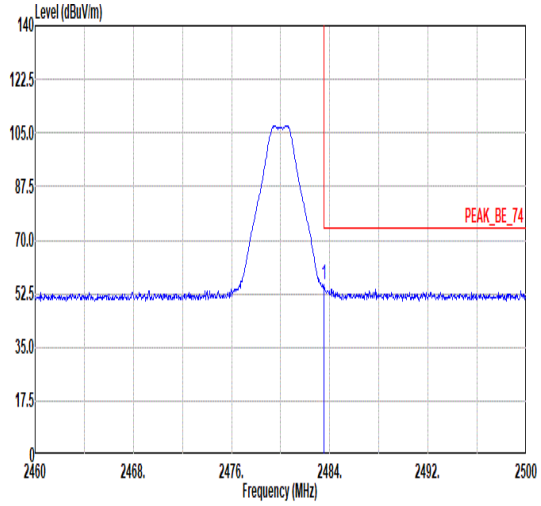


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	6945.00	93.05	99.20	-6.15	78.99	36.15	11.27	33.36	100	89	Average

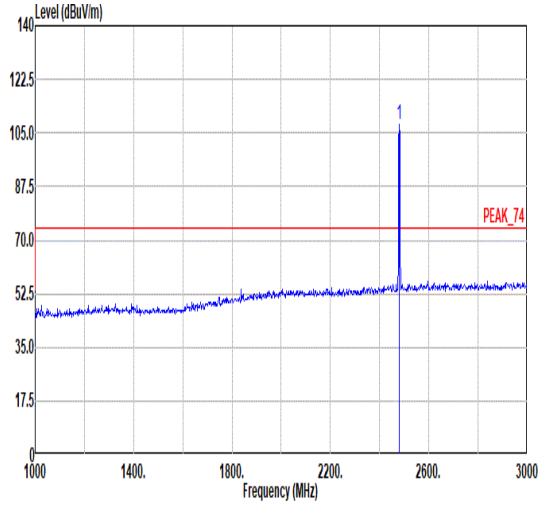
Note: the highest signals over limit is BLE co-location fundamental signals

Mode	71	
	Band Edge	
	CO_TX	
ANT	1	
Pol.	Horizontal	Fundamental

Peak

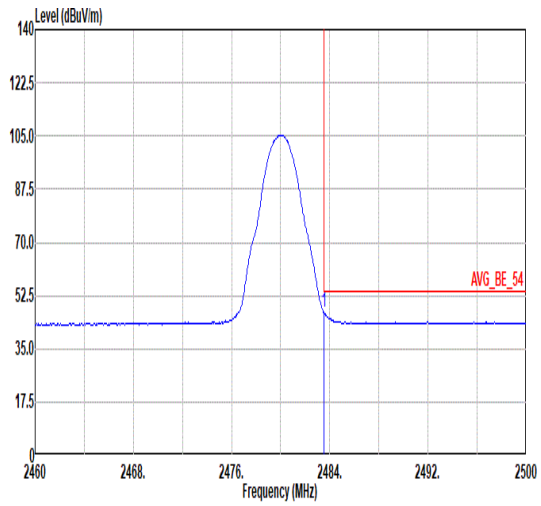


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2483.52	55.22	74.00	-18.78	48.20	32.05	8.43	33.46	134	115	Peak

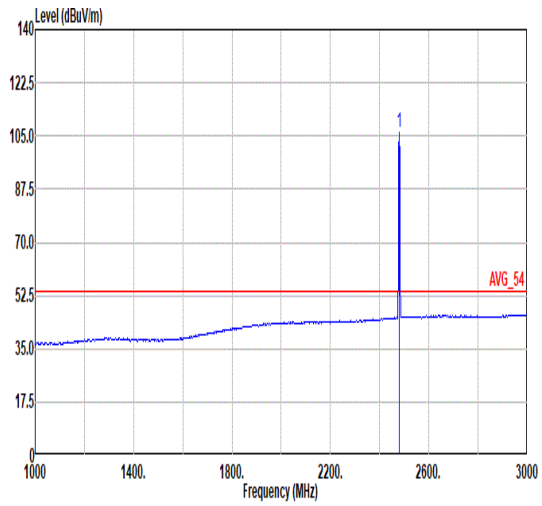


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2480.00	107.51	74.00	33.51	100.50	32.04	8.43	33.46	134	115	Peak

Avg



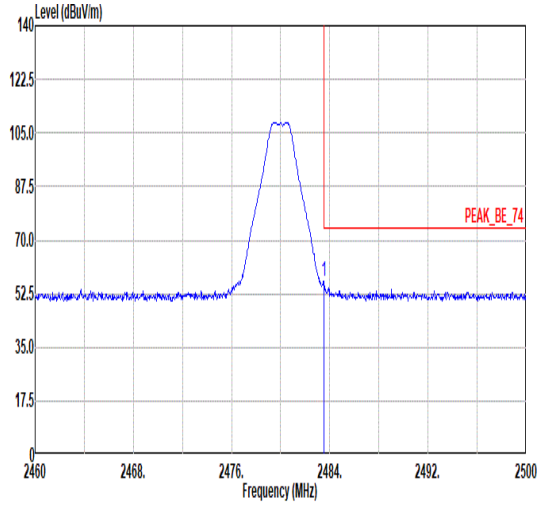
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2483.52	46.90	54.00	-7.10	39.88	32.05	8.43	33.46	134	115	Average



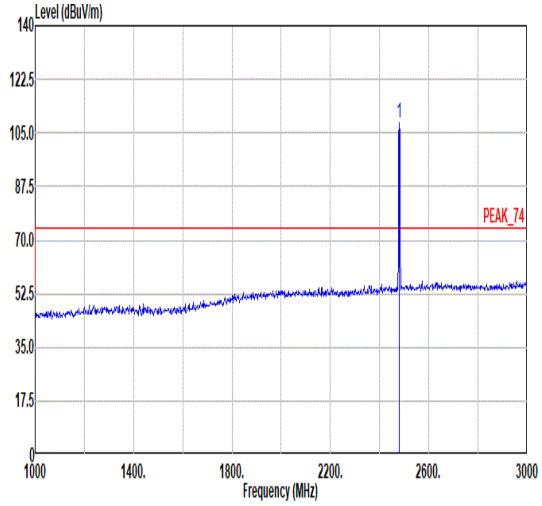
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2480.00	106.06	54.00	52.06	99.05	32.04	8.43	33.46	134	115	Average

Mode	71	
	Band Edge	
	CO_TX	
ANT	1	
Pol.	Vertical	Fundamental

Peak

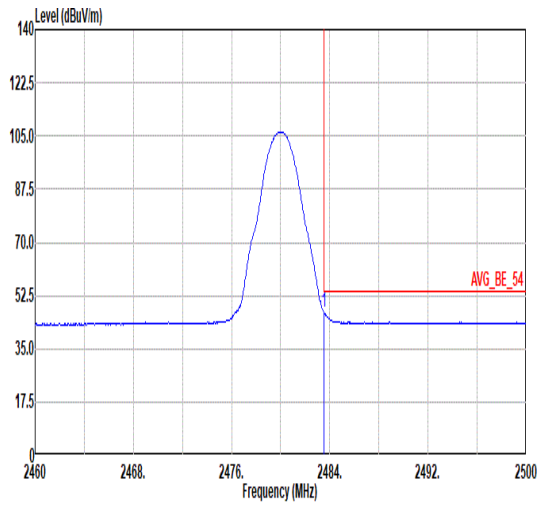


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2483.52	56.57	74.00	-17.43	49.55	32.05	8.43	33.46	136	32	Peak

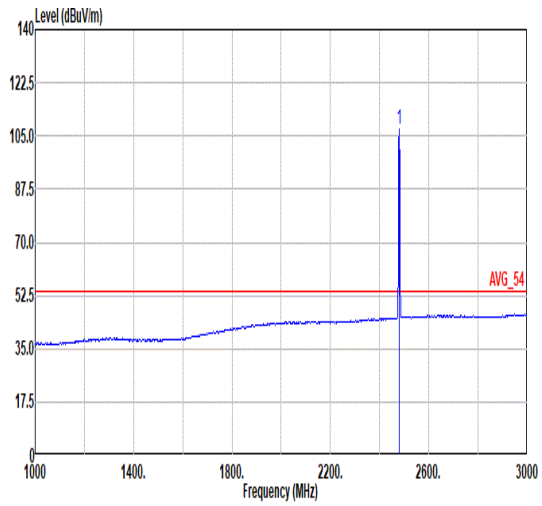


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2480.00	108.55	74.00	34.55	101.54	32.04	8.43	33.46	136	32	Peak

Avg



	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2483.52	46.87	54.00	-7.13	39.85	32.05	8.43	33.46	136	32	Average

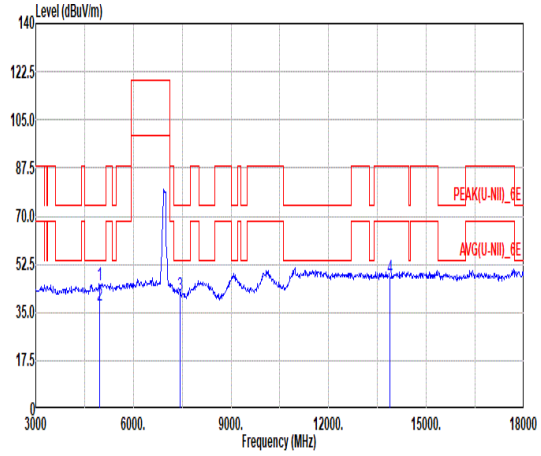


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2480.00	107.01	54.00	53.01	100.00	32.04	8.43	33.46	136	32	Average

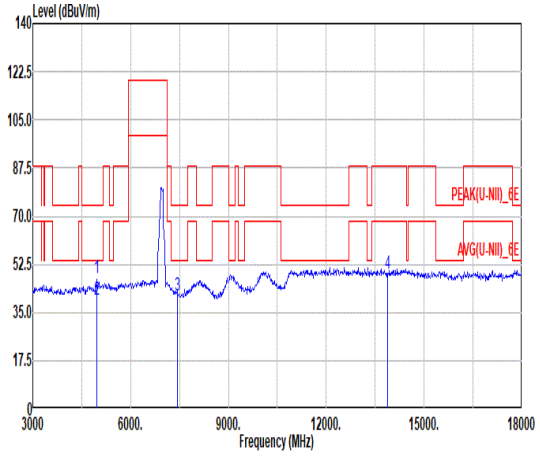
Mode	71	
	Harmonic	
	CO_TX	
ANT	1	
Pol.	Horizontal	Vertical

Peak

Avg



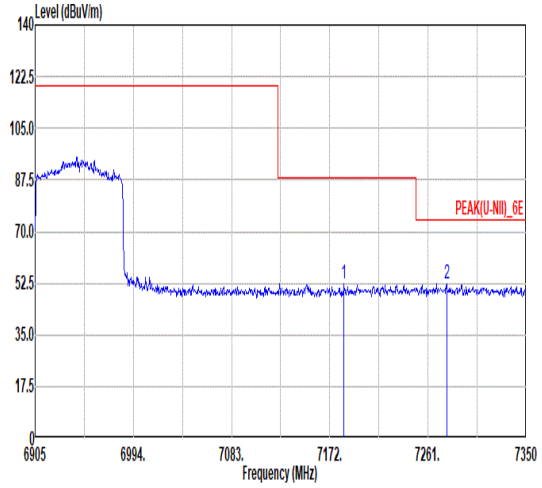
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	4960.00	45.14	74.00	-28.86	57.38	34.42	9.86	56.52	172	140	Peak
2	4960.00	37.68	54.00	-16.32	49.92	34.42	9.86	56.52	172	140	Average
3	7440.00	41.16	74.00	-32.84	53.16	35.75	11.53	59.28	--	--	Peak
4	13890.00	47.64	88.20	-40.56	51.91	39.05	15.20	58.52	--	--	Peak



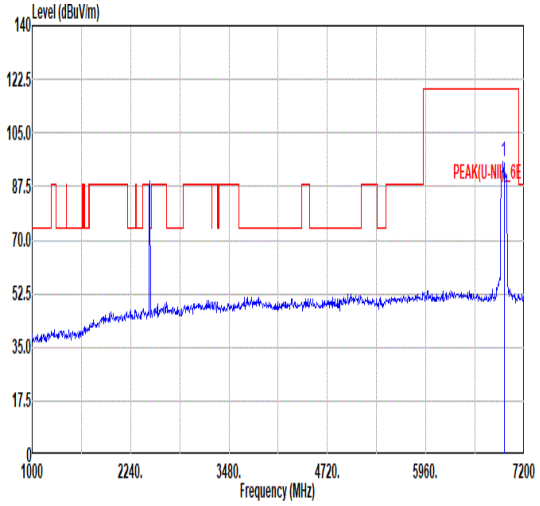
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	4960.00	47.41	74.00	-26.59	59.65	34.42	9.86	56.52	125	196	Peak
2	4960.00	39.40	54.00	-14.60	51.64	34.42	9.86	56.52	125	196	Average
3	7440.00	41.38	74.00	-32.62	53.38	35.75	11.53	59.28	--	--	Peak
4	13890.00	49.20	88.20	-39.00	53.47	39.05	15.20	58.52	--	--	Peak

Mode	72	
	Band Edge - L	
	CO_TX	
ANT	1	
Pol.	Horizontal	Fundamental

Peak

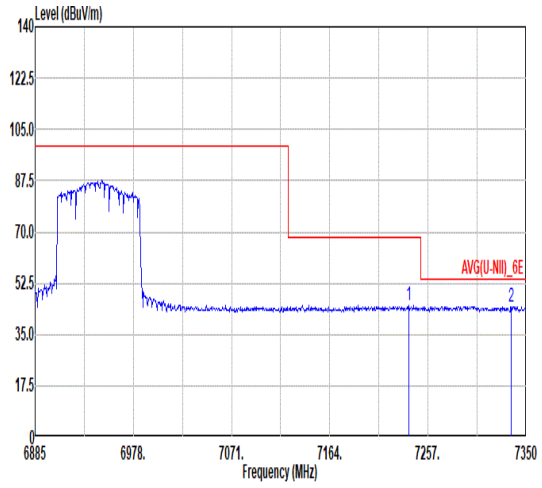


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	7184.91	52.26	88.20	-35.94	38.89	35.60	11.35	33.58	100	193	Peak
2	7277.91	52.41	74.00	-21.59	38.99	35.60	11.42	33.60	100	193	Peak

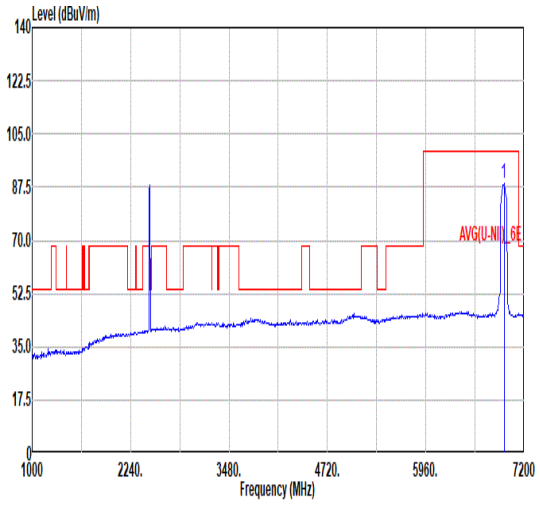


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	6945.00	95.46	119.20	-23.74	81.40	36.15	11.27	33.36	100	193	Peak

Avg



	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	7238.87	45.11	68.20	-23.09	31.71	35.60	11.39	33.59	100	193	Average
2	7335.59	44.61	54.00	-9.39	31.11	35.63	11.46	33.59	100	193	Average

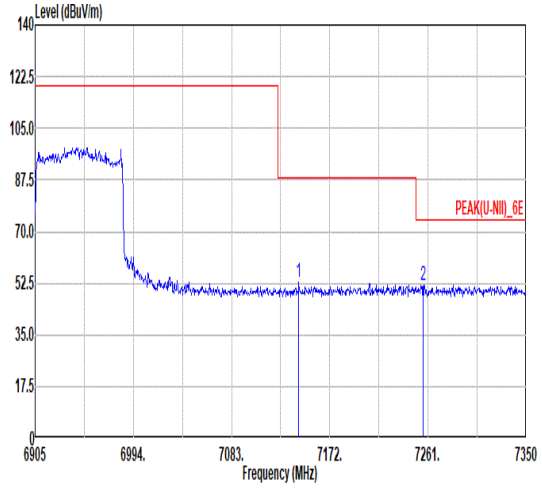


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	6945.00	88.53	99.20	-10.67	74.47	36.15	11.27	33.36	100	193	Average

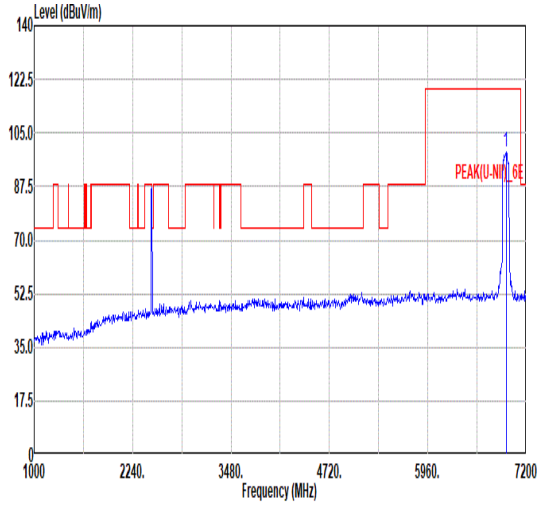
Note: the highest signals over limit is Zigbee co-location fundamental signals

Mode	72	
	Band Edge - L	
	CO_TX	
ANT	1	
Pol.	Vertical	Fundamental

Peak

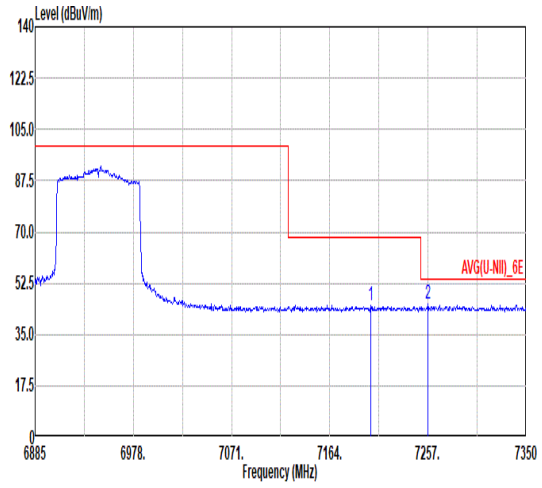


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	7143.97	52.84	88.20	-35.36	39.47	35.60	11.34	33.57	100	89	Peak
2	7256.55	51.81	74.00	-22.19	38.41	35.60	11.40	33.60	100	89	Peak

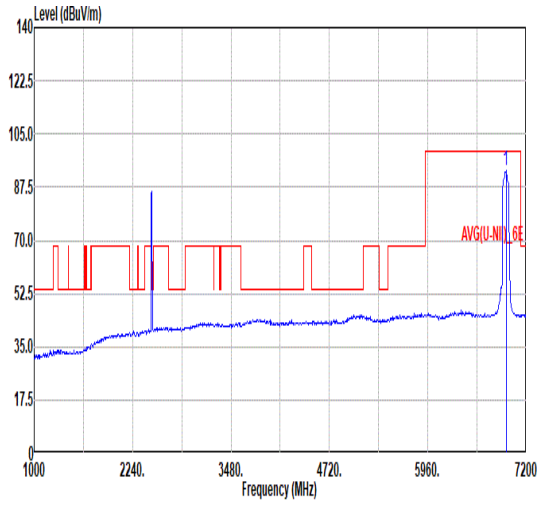


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	6945.00	98.95	119.20	-20.25	84.89	36.15	11.27	33.36	100	89	Peak

Avg



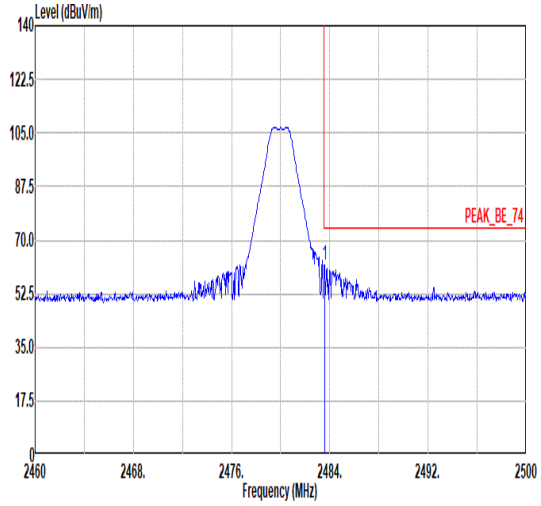
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	7203.06	45.00	68.20	-23.20	31.61	35.60	11.36	33.57	100	89	Average
2	7256.54	45.23	54.00	-8.77	31.83	35.60	11.40	33.60	100	89	Average



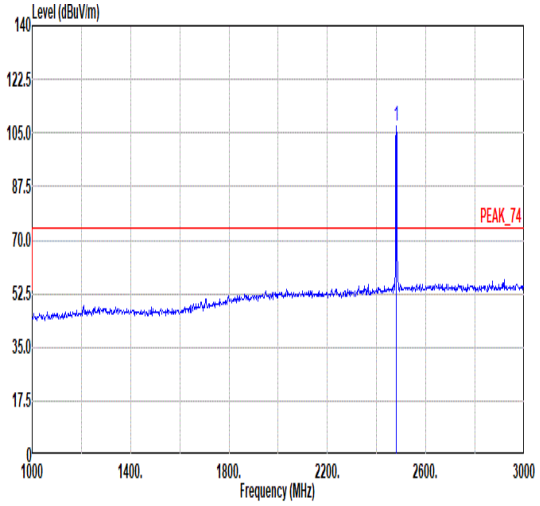
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	6945.00	93.05	99.20	-6.15	78.99	36.15	11.27	33.36	100	89	Average

Mode	72	
	Band Edge	
	CO_TX	
ANT	1	
Pol.	Horizontal	Fundamental

Peak

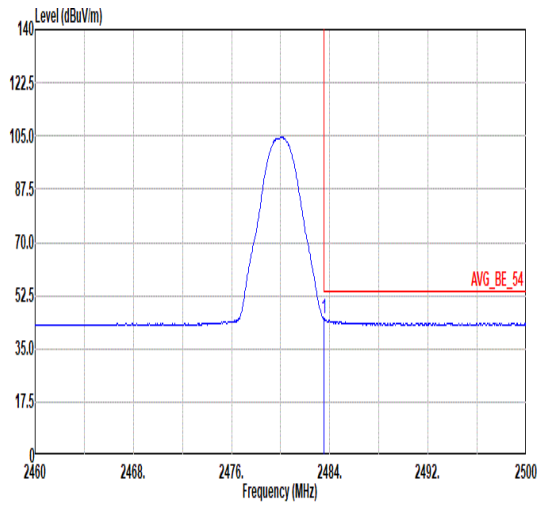


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2483.56	62.03	74.00	-11.97	55.01	32.05	8.43	33.46	100	114	Peak

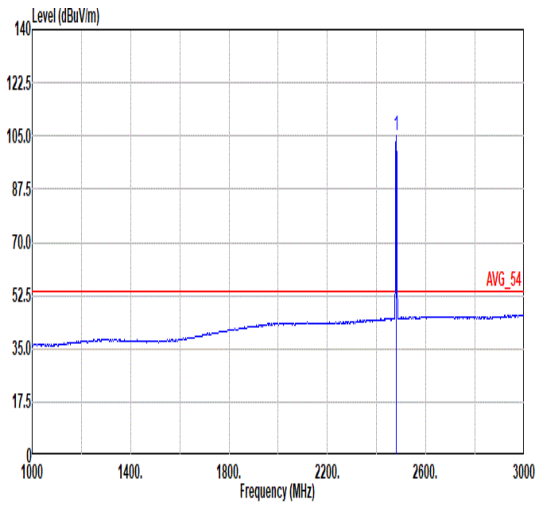


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2480.00	107.15	74.00	33.15	100.14	32.04	8.43	33.46	100	114	Peak

Avg



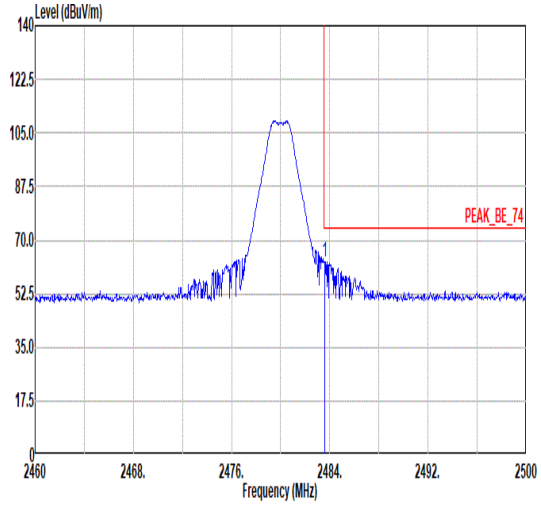
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2483.52	44.93	54.00	-9.07	37.91	32.05	8.43	33.46	100	114	Average



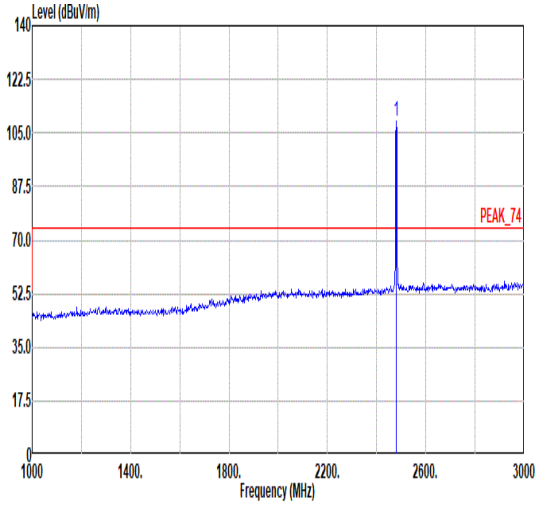
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2480.00	105.38	54.00	51.38	98.37	32.04	8.43	33.46	100	114	Average

Mode	72	
	Band Edge	
	CO_TX	
ANT	1	
Pol.	Vertical	Fundamental

Peak

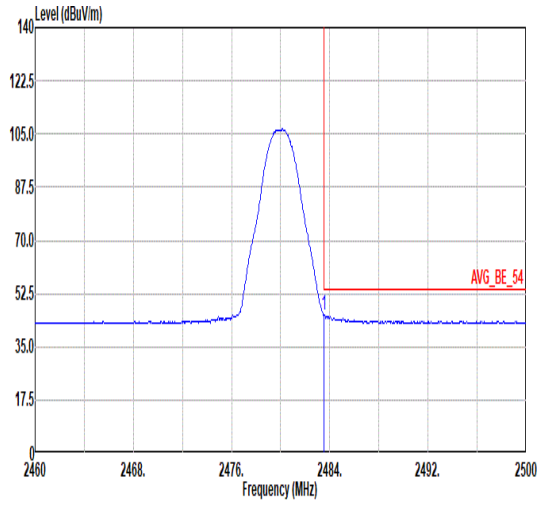


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2483.56	62.95	74.00	-11.05	55.93	32.05	8.43	33.46	100	35	Peak

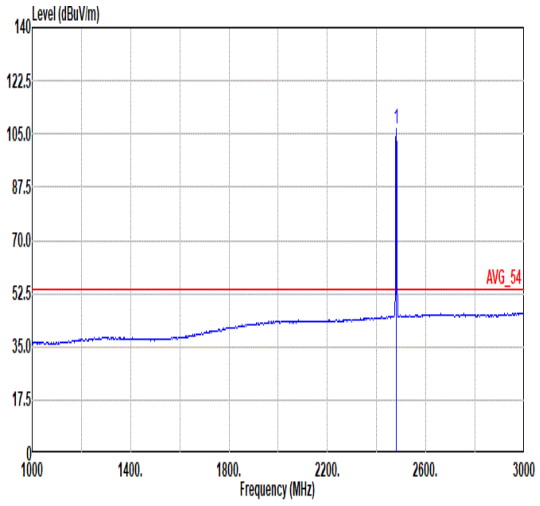


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2480.00	109.06	74.00	35.06	102.05	32.04	8.43	33.46	100	35	Peak

Avg



	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2483.52	45.44	54.00	-8.56	38.42	32.05	8.43	33.46	100	35	Average

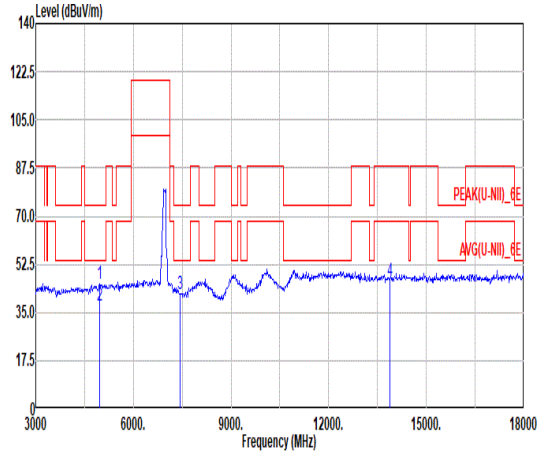


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	2480.00	106.86	54.00	52.86	99.85	32.04	8.43	33.46	100	35	Average

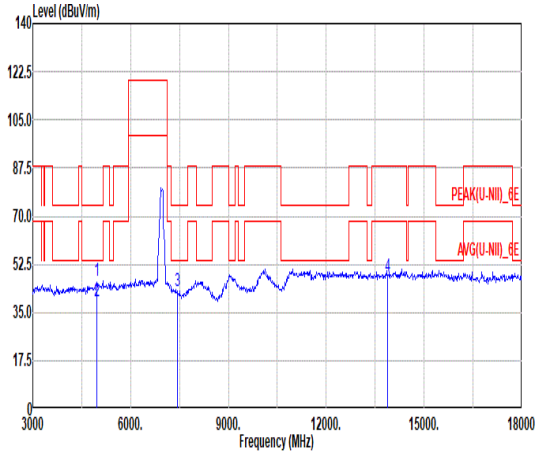
Mode	72	
	Harmonic	
	CO_TX	
ANT	1	
Pol.	Horizontal	Vertical

Peak

Avg



	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	4960.00	45.27	74.00	-28.73	57.51	34.42	9.86	56.52	133	204	Peak
2	4960.00	37.48	54.00	-16.52	49.72	34.42	9.86	56.52	133	204	Average
3	7440.00	41.82	74.00	-32.18	53.82	35.75	11.53	59.28	--	--	Peak
4	13890.00	46.57	88.20	-41.63	50.84	39.05	15.20	58.52	--	--	Peak

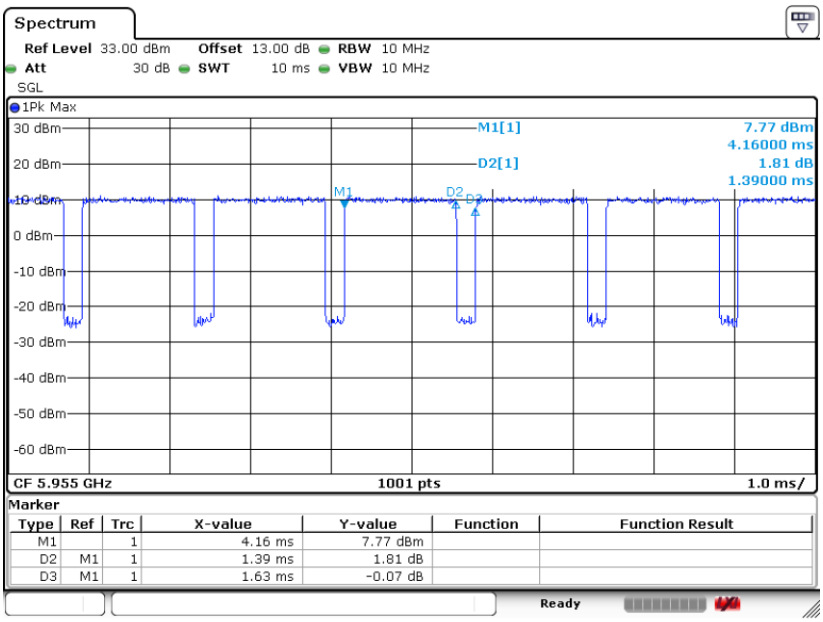


	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	4960.00	46.74	74.00	-27.26	58.98	34.42	9.86	56.52	324	145	Peak
2	4960.00	38.97	54.00	-15.03	51.21	34.42	9.86	56.52	324	145	Average
3	7440.00	42.83	74.00	-31.17	54.83	35.75	11.53	59.28	--	--	Peak
4	13890.00	48.04	88.20	-40.16	52.31	39.05	15.20	58.52	--	--	Peak

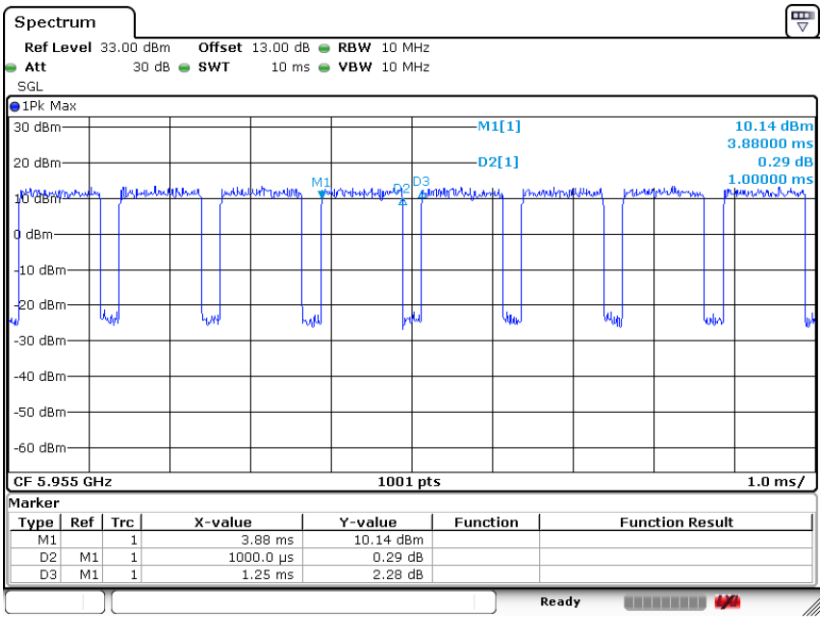
Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11a	85.28	1.390	0.719	1KHz	0.69
802.11ax HE20	80.00	1.000	1.000	3KHz	0.97
802.11ax HE20 RU 26/0	73.25	0.575	1.739	3KHz	1.35
802.11ax HE20 RU 52/37	69.50	0.490	2.041	3KHz	1.58
802.11ax HE20 RU 106/53	67.72	0.430	2.323	3KHz	1.69
802.11ax HE40	69.74	0.530	1.887	3KHz	1.57
802.11ax HE40 RU 242/61	63.56	0.375	2.667	3KHz	1.97
802.11ax HE80	55.00	0.286	3.497	10KHZ	2.60
802.11ax HE80 RU 484/65	61.34	0.365	2.740	3KHz	2.12
802.11ax HE160	42.08	0.170	5.882	10KHZ	3.76
802.11ax HE160 RU 996/67	58.97	0.345	2.899	3KHz	2.29

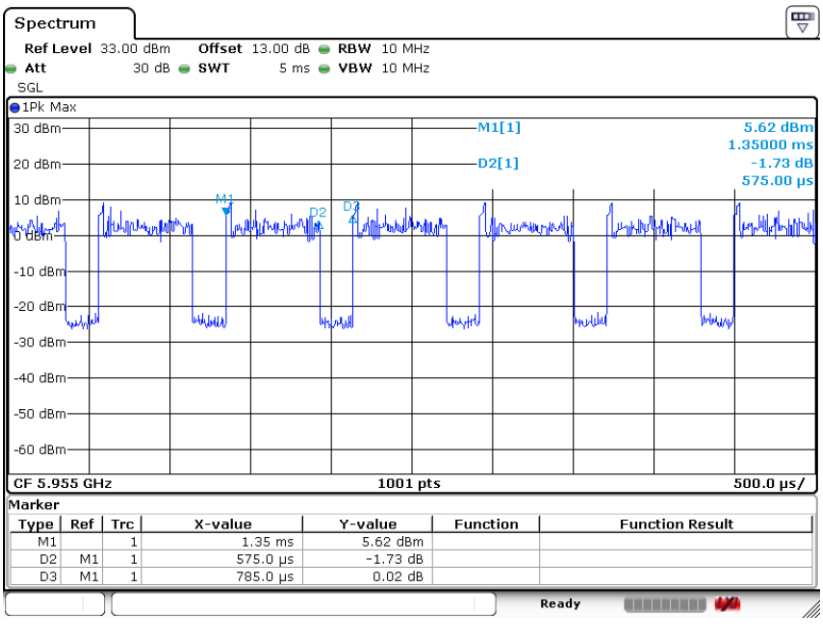
802.11a



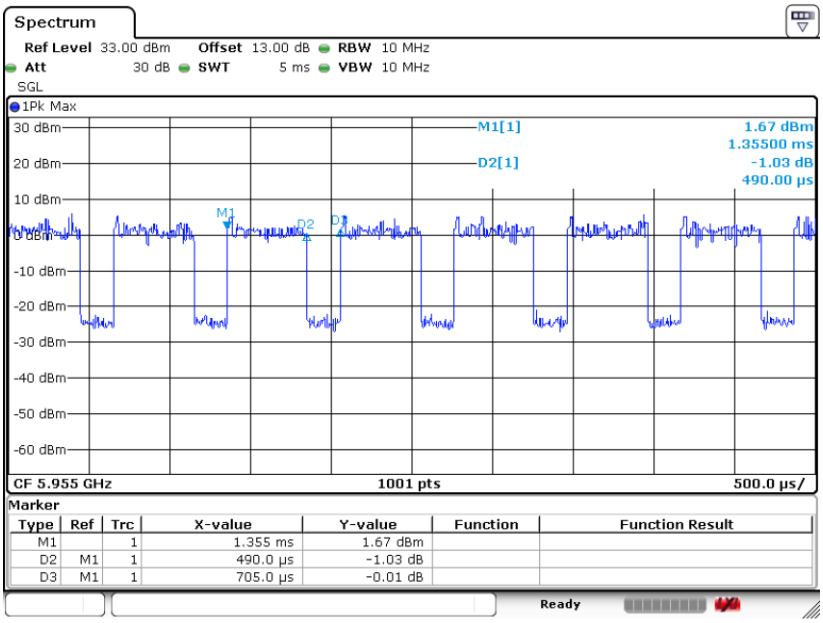
802.11ax HE20



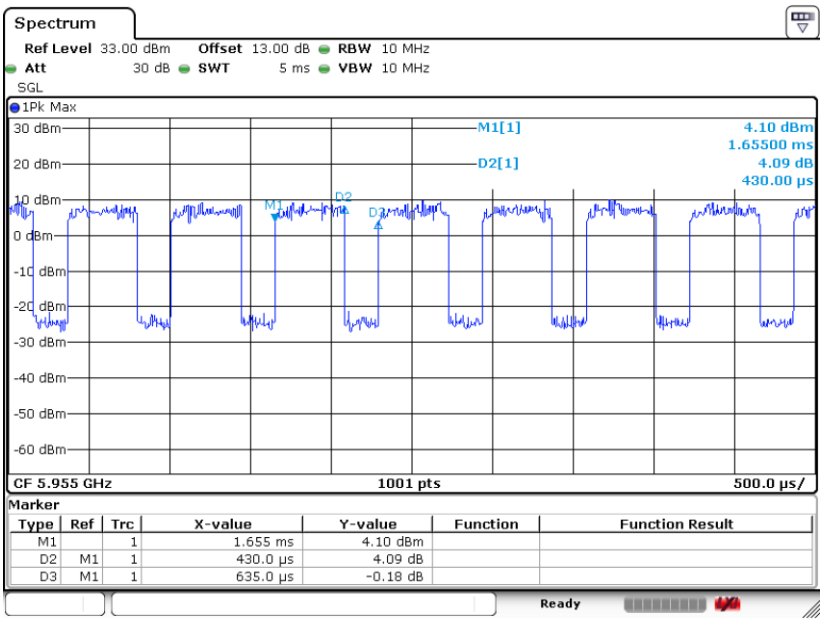
802.11ax HE20 RU 26/0



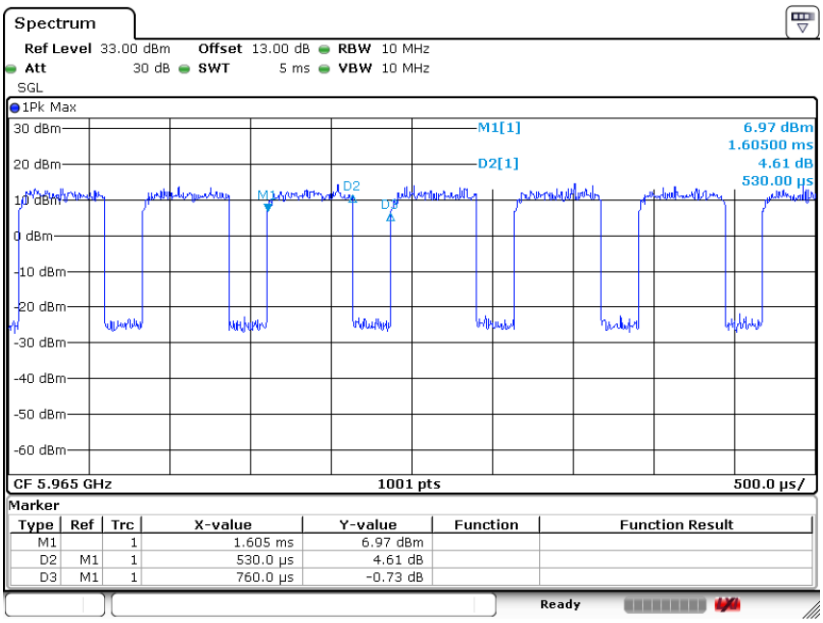
802.11ax HE20 RU 52/37



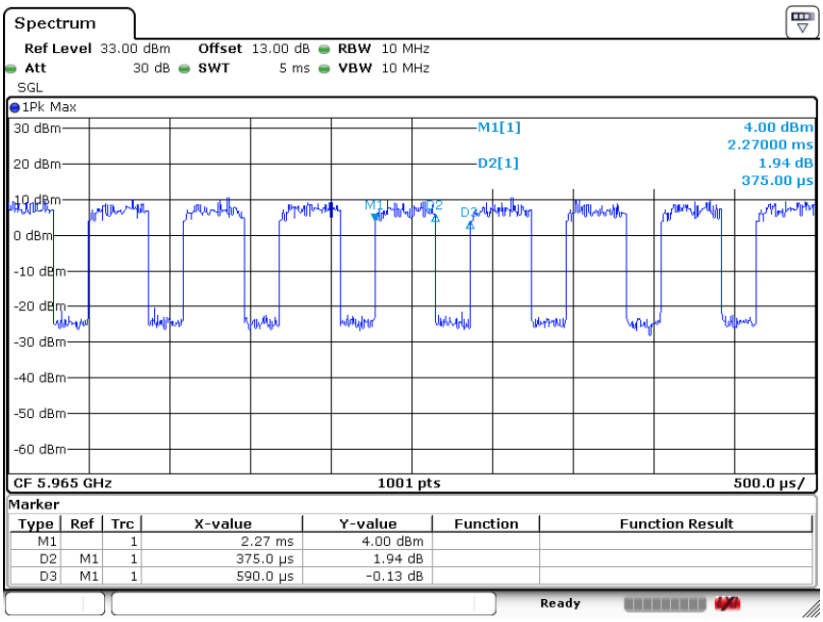
802.11ax HE20 RU 106/53



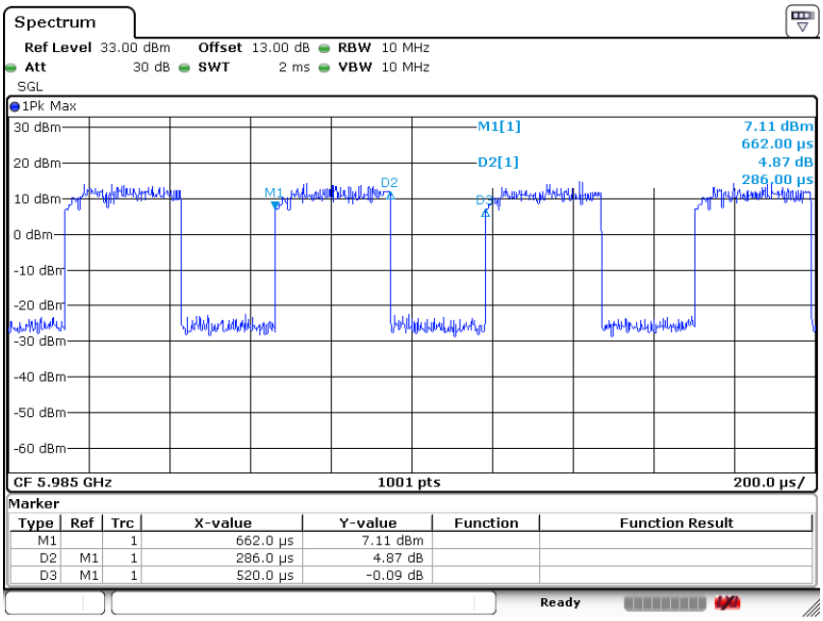
802.11ax HE40



802.11ax HE40 RU 242/61



802.11ax HE80



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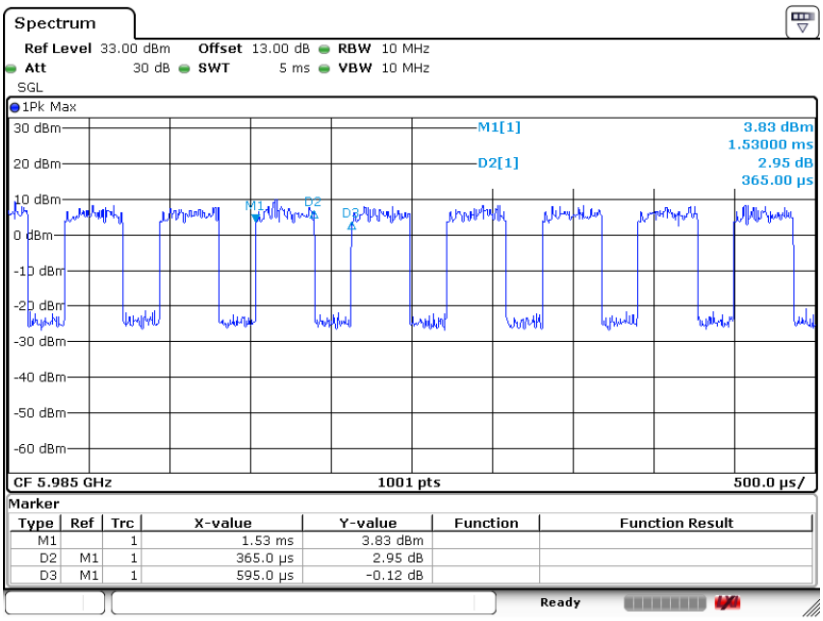
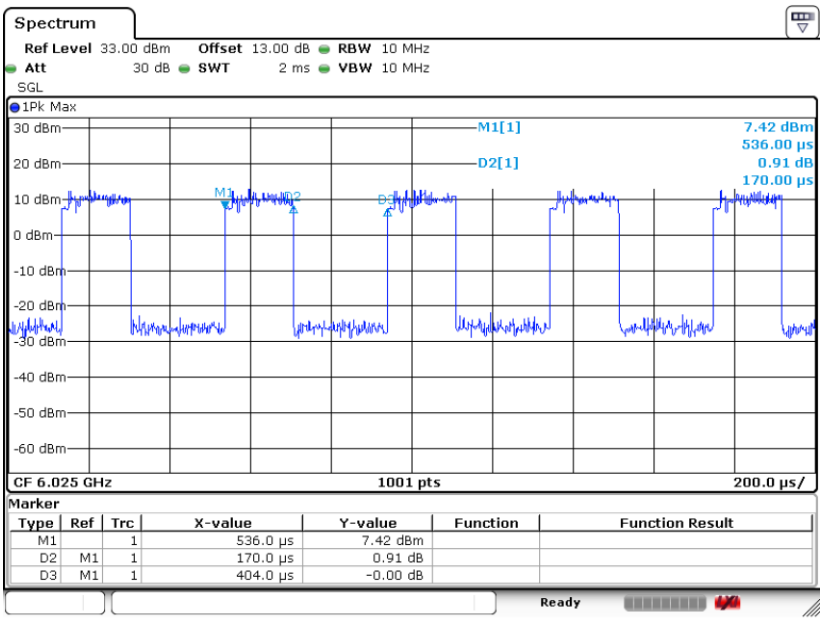
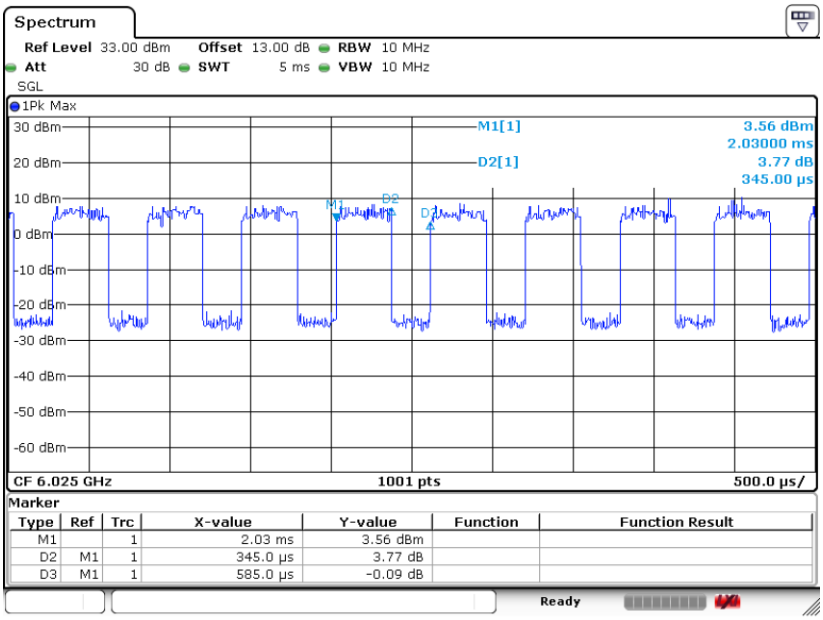


802.11ax HE160



802.11ax HE160 RU 996/67